

# TECHNOLOGY LEARNING CENTER

*..Finishing School for Engineer's*

## B.TECH MATLAB SIGNAL PROCESSING PROJECTS

### 2013

- 1 Towards Generalizing Classification Based Speech Separation
- 2 Audio Watermarking Via EMD
- 3 Speech Enhancement by Kalman Filtering with a Particle Filter Based Preprocessor
- 4 ECG denoising using Extended Kalman Filter
- 5 Implementation of Real Time Feature Extraction of ECG Using Discrete Wavelet Transform
- 6 DWT based scheme for video watermarking

### 2012

- 1 ECG removal in preterm EEG combining empirical mode decomposition and adaptive filtering
- 2 EEG signal classification using PCA, ICA, LDA and support vector machines
- 3 Empirical mode decomposition based denoising techniques
- 4 ECG Classification using Wavelet Transform and Discriminant Analysis
- 5 An emotional analysis method based on heart rate variability



[info@tlcindia.org](mailto:info@tlcindia.org)



+91-9581100283/284

[www.tlcindia.org](http://www.tlcindia.org)

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## 2011

- 1 A View on Latest Audio Steganography techniques
- 2 HIGH Capacity Inaudibility Audio Steganography scheme
- 3 A Basic Digital watermarking algorithm in discrete cosine transformation domain

## 2010

- 1 Audio Compression Using a Munich and Cambridge Morlet Transform
- 2 Development of a Novel Voice Verification system using wavelets



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